

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L29	630	(Naoki\$ near9 Yoshida\$).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:13
L30	16	29 and (drum\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:13
L31	3	29 and (drum\$ and coefficient\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:14
L32	3	29 and (drum\$ and coefficient\$ and friction\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:14
L33	1	29 and (drum\$ and coefficient\$ and friction\$ and slip\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:15
L34	7	29 and ((drum\$.clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:15
L35	1	29 and ((drum\$ and coefficient\$).clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:16
L36	7	29 and (drum\$ and deted\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:16

L37	1	129 and (drum\$5 and detect\$5 and slip\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 11:17
S1	225	friction\$5 near5 carrier\$3 near5 drum\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S2	20511	auxiliar\$5 near5 carrier\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S3	10	S1 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:50
S4	721365	drum\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S5	905664	slip\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S6	65960	S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:51
S7	1387872	friction\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S8	906373	coefficient\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S9	3513152	ratio\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52

S10	30072	S4 and S5 and S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:52
S11	6102	S4 and S5 and S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S12	3440	S4 and S5 and S7 and S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S13	9933	S7 same S8 same S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:53
S14	376	S7 same S8 same S9 same S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:54
S15	64	S7 same S8 same S9 same S4 same S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:54
S16	7127844	medium\$3 or paper\$3 or film\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:55
S17	17	S7 same S8 same S9 same S4 same S5 same S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:56
S18	2584	S4 and S5 and S7 and S8 and S9 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:56
S19	395	S4 and S5 and (S7 same S8 same S9) and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 17:57

S20	18578	drum\$5 and thermal\$5 and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:00
S21	39796	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:01
S22	6120	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:02
S23	99	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:02
S24	15	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5) and ((heat\$3 or thermal\$5) same (slip\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 18:05
S25	35057	(358/1.1,1.9,1.5,1.2,1.3,1.4,1.6,1.7,1.8,1.12,1.15,1.13,1.14,1.16,1.17,1.18,296,3,29,1.11,407,468,488,490,489).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:02
S26	5057	(399/1,2,299,303,304,305,328,330,331).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:03
S27	6766	(347/171,172,186,191,2,3,5,14,23).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/14 19:03
S28	46186	S25 or S26 or S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04
S29	225	friction\$5 near5 carrier\$3 near5 drum\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04

S30	4	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:04
S31	20513	auxiliar\$5 near\$5 carrier\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S32	29	S28 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S33	10	S29 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S34	1	S28 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:05
S35	721485	drum\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S36	905803	slip\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S37	65960	S35 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S38	643	S28 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S39	1388093	friction\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06

S40	30072	S35 and S36 and S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S41	287	S28 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:06
S42	906586	coefficient\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S43	6102	S35 and S36 and S39 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S44	111	S28 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S45	3514020	ratio\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S46	3440	S35 and S36 and S39 and S42 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S47	57	S28 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:08
S48	9936	S39 same S42 same S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:52
S49	23	S28 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:52

S50	376	S39 same S42 same S45 same S35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S51	2	S28 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S52	64	S39 same S42 same S45 same S35 same S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S53	1	S28 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S54	7130832	medium\$3 or paper\$3 or film\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S55	17	S39 same S42 same S45 same S35 same S36 same S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S56	1	S28 and S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:53
S57	2584	S35 and S36 and S39 and S42 and S45 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
S58	56	S28 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
S59	395	S35 and S36 and (S39 same S42 same S45) and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54

S60	8	S28 and S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 19:54
S61	18578	drum\$5 and thermal\$5 and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:04
S62	1394	S28 and S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:04
S63	39797	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:05
S64	2844	S28 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:05
S65	6120	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:06
S66	326	S28 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:06
S67	99	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21
S68	6	S28 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21
S69	15	drum\$5 and (thermal\$5 or heat\$3) and (carrier\$5 or feed\$4) and (detector\$5 or detect\$5) and (slip\$5) and (tension\$5 same ribbon\$5) and ((heat\$3 or thermal\$5) same (slip\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 20:21

S70	5	S28 and S69	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; BM_TDB	OR	ON	2009/12/14 20:21
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5429	{drum\$5 and detect\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:02
L2	547	{drum\$5 and detect\$5 and heat\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:02
L3	90	{drum\$5 and detect\$5 and heat\$5 and thermal\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:03
L4	3	{drum\$5 and detect\$5 and heat\$5 and thermal\$3 and slip\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:03
L5	1	{drum\$5 and detect\$5 and heat\$5 and thermal\$3 and slip\$3 and ribbon\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:03
L6	759	{drum\$5 and detect\$5 and medium\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:04
L7	145	{drum\$5 and detect\$5 and medium\$3 and distanc\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:04
L8	43	{drum\$5 and detect\$5 and medium\$3 and distanc\$5 and adjust\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:05
L9	8	{drum\$5 and detect\$5 and medium\$3 and distanc\$5 and adjust\$5 and (heat\$5 or thermal\$3)}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:05
L10	1	{drum\$5 and detect\$5 and medium\$3 and distanc\$5 and adjust\$5 and (heat\$5 or thermal\$3) and slip\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:05
L11	29171	{358/1.1,1.9,1.5,1.2,1.3,1.4,1.6,1.7,1.8,1.12,1.15,1.13,1.14,1.16,1.17,1.18,296,3.29,1.11,407,468,488,490,489}.OCL.S.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/12/15 11:06
L12	3105	{399/1.2,299,303,304,305,328,330,331}.OCL.S.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/12/15 11:06
L13	4978	{347/171,172,186,191,2,3,5,14,23}.OCL.S.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/12/15 11:07
L14	36684	{11 or 112 or 113}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:07
L15	161	{14 and 11}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L16	19	{14 and 12}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L17	8	{14 and 13}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L18	51	{14 and 16}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L19	13	{14 and 17}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L20	2	{14 and 18}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:08
L21	97	{drum\$5 and thermal\$5 and carrier\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:09
L22	7	{14 and L21}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:09
L23	13	{drum\$5 and thermal\$5 and carrier\$5 and friction\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:10
L24	2	{14 and L23}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:10
L25	1684	{drum\$5 and thermal\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:11
L26	73	{14 and L25}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:11
L27	150	{drum\$5 and thermal\$5 and ratio\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:11
L28	7	{14 and L27}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:11
L38	112	{Naoki\$5 near9 Yoshida\$5}.in.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:18
L39	39	{129" and (drum\$5)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:19
L40	7	{38 and (drum\$5)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:19
L41	3	{38 and (drum\$5 and coefficient\$5)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:20
L42	3	{38 and (drum\$5 and coefficient\$5 and friction\$5)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:21
L43	1	{38 and (drum\$5 and coefficient\$5 and friction\$5 and slip\$3)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:21
L44	7	{38 and ((drum\$5).clm.)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:23
L45	1	{38 and ((drum\$5 and coefficient\$5).clm.)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:23
L46	7	{38 and (drum\$5 and detect\$5)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:24
L47	1	{38 and (drum\$5 and detect\$5 and slip\$3)}	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/15 11:24

S71	97	{drum\$5 and thermal\$5 and carrier\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:23
S72	13	{drum\$5 and thermal\$5 and carrier\$5 and friction\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:24
S73	1	{drum\$5 and thermal\$5 and carrier\$5 and friction\$5 and coefficient\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:24
S74	1684	{drum\$5 and thermal\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:25
S75	150	{drum\$5 and thermal\$5 and ratio\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:25
S76	5	{drum\$5 and thermal\$5 and ratio\$3 and slip\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:25
S77	2	{drum\$5 and thermal\$5 and ratio\$3 and slip\$3 and coefficient\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:26
S78	2	{drum\$5 and thermal\$5 and ratio\$3 and slip\$3 and coefficient\$5 and friction\$5}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:27
S79	1	{drum\$5 and thermal\$5 and ratio\$3 and slip\$3 and coefficient\$5 and friction\$5 and medium\$3}.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 20:27

12/15/2009 11:27:09 AM

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